

4TH  
GRADE

# MATH

# SUMMER REVIEW

USE FOR TEST PREP OR SUMMER PRACTICE

Created by: Kim Miller

Numbers & Operations: Fractions

Name \_\_\_\_\_

Date \_\_\_\_\_

## Equivalent fraction

1. Identify the fraction shown in the model. Then multiply the numerator and denominator by 2 to find an equivalent fraction.

2. Identify the fraction shown in the model. Then divide the numerator and denominator by 3 to find an equivalent fraction.

3. Identify the fraction shown in the model. Then multiply the numerator and denominator by 4 to find an equivalent fraction.

4. Place the fraction on the number line below.

5. Now write an equivalent fraction.

$\frac{2}{6}$  =  $\frac{1}{3}$

6. Find the missing numbers in the equivalent fraction pairs.

$\frac{4}{16}$  =  $\frac{1}{4}$

7. Color 3 of these shapes below. Then write a equivalent fraction.

$\frac{4}{16}$  =  $\frac{1}{4}$

8. Color 3 of these shapes below. Then write a equivalent fraction.

$\frac{4}{16}$  =  $\frac{1}{4}$

9. Color 3 of these shapes below. Then write a equivalent fraction.

## CLASSIFYING Shapes

1. Circle the shapes that have parallel lines.

 

2. Circle the shapes that have perpendicular lines.

 

3. Circle the shapes that have acute and obtuse angles.

 

Measurement & Data

Name \_\_\_\_\_

Date \_\_\_\_\_

## Missing Measurements

Determine the missing measurement in the angles below.

1.

$40^\circ$

$x^\circ$

$180^\circ$

$100^\circ$

$80^\circ$

$20^\circ$

$10^\circ$

$30^\circ$

$15^\circ$

$25^\circ$

$35^\circ$

$45^\circ$

$55^\circ$

$65^\circ$

$75^\circ$

$85^\circ$

$90^\circ$

$100^\circ$

$110^\circ$

$120^\circ$

$130^\circ$

$140^\circ$

$150^\circ$

$160^\circ$

$170^\circ$

$180^\circ$

$190^\circ$

$200^\circ$

$210^\circ$

$220^\circ$

$230^\circ$

$240^\circ$

$250^\circ$

$260^\circ$

$270^\circ$

$280^\circ$

$290^\circ$

$300^\circ$

$310^\circ$

$320^\circ$

$330^\circ$

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$350^\circ$

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# 4th Grade Summer Math Review

**Grace M. Burton**

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#### **Math Mammoth Grade**

**4 Review Workbook** Maria Miller,2018-09-15 Math Mammoth Grade 4 Review Workbook is intended to give students a thorough review of fourth grade math It has both topical as well as mixed spiral review worksheets and tests It is useful for summer math for general review of 4th grade math and to prepare students for 5th grade math

#### **Technical Report of**

**the NAEP 1996 State Assessment Program in Mathematics** Nancy L. Allen,1997 The purpose of this report is to provide technical information about the 1996 State Assessment in Mathematics It provides a description of the design for the State Assessment and gives an overview of the steps involved in the implementation of the program from the planning stages through to the analysis and reporting of the data The report describes in detail the development of the cognitive and background questions the field procedures the creation of the database and data products for analysis and the methods and procedures used for sampling analysis and reporting It does not provide the results of the assessment rather it provides information on how those results were derived Chapters include 1 Overview The Design Implementation and Analysis of the 1996 State Assessment Program in Mathematics 2 Developing the Mathematics Objectives Cognitive Items Background Questions and Assessment Instruments 3 Sample Design and Selection 4 State and School Cooperation and Field Administration 5 Processing and Scoring Assessment Materials 6 Creation of the Database Quality Control of Data Entry and Creation of the Database Products 7 Weighting Procedures and Variance Estimation 8 Theoretical Background and Philosophy of National Assessment Educational Progress NAEP Scaling Procedures 9 Data Analysis and Scaling for the 1996 State Assessment Program in Mathematics and 10 Conventions Used in Reporting the Results of the 1996 State Assessment

Program in Mathematics Appendices include Participants in the Objectives and Item Development Process Summary of Participation Rates Conditioning Variables and Contrast Codings IRT Item Response Theory Parameters for Mathematics Items State Assessment Program Reporting Subgroups Composite and Derived Common Background Variables and Composite and Derived Reporting Variables Setting the NAEP Achievement Levels for the 1996 State Assessment in Mathematics Correction of the NAEP Program Documentation Error in the 1992 State Mathematics Results The Information Weighting Error and Sample Design and Selection Tables Contains 78 references ASK [The NAEP ... Technical Report](#),1999 *Summer Sessions Information and Class Schedules Bulletin* University of Nebraska--Lincoln. Summer Sessions Office,1925 Note 1973 77 editions formerly classified U0500T001 [Sfaw Math Grade 4 Home/Community Book](#),1997-07-24 Scott Foresman Addison Wesley MATH 2001 components for Grade 4 [Resources in Education](#),1992 [The New York Times Magazine](#),1991-03 *Common Core Grade 4 Summer Math Workbook* Michael Smith,2020-07-17

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**Games on the Go** Lisa Carmona,2000-07

**New York Times Saturday Book Review Supplement** ,1963-05

**Math Advantage** Grace M. Burton,1999

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web a food chain shows a sequence of living things in which one organism eats the one below it most animals eat more than one thing so to show all the feeding relationships we use food webs which are made of many intersecting food chains to better understand the food web definition

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web food webs and ecosystemseach ecosystem on earth contains many food chains an ecosystem includes all plants animals and non living natural things such as sand rocks and soil in a certain area deserts forests coral reefs in the ocean and african grasslands called savannahs are examples of different ecosystems

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web mar 15 1998 what are food chains and webs describes these connections in a clear manner that children will understand fascinating diagrams show children the connection between herbivores carnivores scavengers decomposers and themselves concepts such as energy pyramids photosynthesis and consumer hierarchies an entertaining food

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web feb 22 2023 vocabulary the food chain describes who eats whom in the wild every living thing from one celled algae to giant blue whales needs food to survive each food chain is a possible pathway that energy and nutrients can follow through the ecosystem for example grass produces its own food from sunlight a rabbit eats the

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web a food chain outlines who eats whom a food web is all of the food chains in an ecosystem each organism in an ecosystem occupies a specific trophic level or position in the food chain or web producers who make their own food using photosynthesis or chemosynthesis make up the bottom of the trophic pyramid

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web sep 10 2023 it has nutritional bilateral and interaction with the ecosystem s biotic components the limbs of a food chain are plants and animals that are successively dependent on one another it has three to four trophic levels the highest level is 5 shorter food chains mean more available energy and vice versa

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web in ecology a food chain is a series of organisms that eat one another so that energy and nutrients flow from one to the next for example if you had a hamburger for lunch you might be part of a food chain that looks like this grass rightarrow cow rightarrow human

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web a food chain is a linear sequence of organisms through which nutrients and energy pass as one organism eats another in a food chain each organism occupies a different trophic level defined by how many energy transfers separate it from the basic input of the chain

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web mar 13 2018 food chains and webs comprise different types of consumers a producer and its seeds or fruit are always at the lowest level followed by primary consumers secondary consumers and tertiary consumers trees and grass are producers examples of primary consumers which eat producers are mice and insects secondary consumers

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web a food chain describes how different organisms eat each other starting out with a plant and ending with an animal for example you could write the food chain for a lion like this grass zebra lion the lion eats the zebra which

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web food chains and webs part of biology ecosystems and habitats jump to key points all organisms in an ecosystem depend on each other food chains show the flow of energy from one organism to

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web the food chain below shows the food relationship between plant p animal q and animal r a disease outbreak killed many animals q the disease does not affect plant p and animal r the line graph below shows the change

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web a food chain shows how energy is transferred from one living organism to another via food it is important for us to understand how the food chain works so that we know what are the important living organisms that make up the food chain and how the ecology is balanced photosynthesis is only the beginning of the food chain

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web food chain is a linear sequence of organisms which starts from producer organisms and ends with decomposer species food web is a connection of multiple food chains food chain follows a single path whereas food web follows multiple paths

from the food chain we get to know how organisms are connected with each other

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web a food chain refers to the order of events in an ecosystem where one living organism eats another organism and later that organism is consumed by another larger organism the flow of nutrients and energy from one organism to another at different trophic levels forms a

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web may 9 2023 a food web consists of all the food chains in a single ecosystem each living thing in an ecosystem is part of multiple food chains each food chain is one possible path that energy and nutrients may take as they move through the ecosystem all of the interconnected and overlapping food chains in an ecosystem make up a food web

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web they're connected through food chains and readers explore how individual food chains come together to make a meadow food web this important science concept is presented through engaging text as well as a colorful meadow food web that shows a variety of connections among living things in this ecosystem fact

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web food chain in ecology the sequence of transfers of matter and energy in the form of food from organism to organism food chains intertwine locally into a food web because most organisms consume more than one type of animal or plant learn more about food chains in

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web problem 4 2 7 4 2 7 the arrangement of atoms in several biologically important molecules is given here complete the lewis structures of these molecules by adding multiple bonds and lone pairs do not add any more atoms a the amino acid serine b urea c pyruvic acid d uracil e carbonic acid

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web introduction chemical structures there are a number of different ways to represent molecules as illustrated for  $nh_3$  in figure 1 a lewis structure figure 1a is meant to represent chemical bonding and the distribution of electrons

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web nov 17 2023 introduction lewis structure is basically a graphic representation of the electron distribution around an

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web nov 14 2023 show all resonance structures possible use formal charges to pick the best form if necessary the following molecule has two lewis dot formulas write one that uses 8 electrons about the central atom and one that expands the natat

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web mar 27 2023 a the lewis structure for water is represented by the given option a in this structure the oxygen atom is in the center and is bonded to two hydrogen atoms the oxygen atom has two lone pairs of electrons this structure follows the octet rule where each atom has a full valence shell with eight electrons

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web introduction the physical and chemical behavior of compounds depends on the types of bonds that exist within the molecule and on the overall shape of the molecules the branch of chemistry that investigates how molecules are put together is

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web lewis structures represent the valence electrons present in the molecule as lone pairs unshared electrons drawn as dots or bonds shared electrons drawn as lines procedure for drawing lewis structures add up the total number of valence electrons that each atom contributes to the molecule polyatomic ion

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web the pcl 3 lewis structure has the typical case of phosphorus p in the center with 3 bonds to 3 other atoms phosphorus is from the same column as nitrogen in the periodic table meaning that p and n generally have the same bonding structure note the lone pair dots without bonds on top of p just like for n in the previous example for nh 3 chlorine cl

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web step 1 figure out how many electrons the molecule must have based on the number of valence electrons in each atom when drawing the structure of an ion be sure to add subtract electrons to account for the charge step 2 connect the atoms to each other with single bonds to form a skeleton structure

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web this exercise required us to take the formulas in the data table and calculate the number of valence electrons using the periodic table draw its lewis structure on paper build the molecular model and record a photo list the number of bonds and lone pairs surrounding the central atom and lastly identify the structure geometry

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